

Abstract

The invention describes a method and a device for transporting a signal over a power line. The inventive method includes inducing an alternating current (AC) voltage from the power line, powering a transceiver device with the induced AC voltage, communicating the signal with the transceiver device via the power line. The method further may include transmitting and/or receiving the signal with an end user via the transceiver device. The transceiver device may be a fiber optic-based device that transmits data to the end user over non-metallic fiber optic links. The method may filter the induced AC voltage, and separately filter the signal.

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